VASCULITIS FOUNDATION®

VASCULITIDES WITH PULMONARY INVOLVEMENT

SIGNS/SYMPTOMS	GPA Granulomatosis with Polyangiitis	MPA Microscopic Polyangiitis	EGPA Eosinophilic Granulomatosis with Polyangiitis	Anti-GBM Disease Anti-Glomerular Basement Membrane	Behçet's Disease Rare, but possible, to have lung involvement
Granulomatous Inflammation	✓		✓ + Eosinophilic infiltration		
Upper Respiratory Involvement	✓ Sinusitis, subglottic stenosis, serous otitis media		✓ Paranasal sinus abnormalities		
Lower Respiratory Involvement	✓ Pulmonary infiltrates, cavitary lung nodules, DAH*	✓ ILD* DAH*	✓ Adult onset asthma pulmonary infiltrates, DAH*	✓ DAH*	✓ Pulmonary artery aneurysm
Renal Tract Involvement	✓ 20-80%	✓ ~ 80%	✓ ~ 25%	✓ ~100% rapidly progressing glomerulonephritis	
ANCA Associated Anti-neutrophilic cytoplasmic antibody	~ 80% PR3-ANCA 10-20% MPO-ANCA	~ 80% MPO-ANCA 10-20% PR3-ANCA	40-60% MPO-ANCA	May rarely overlap with ANCA-positive vasculitis	
Most Common Respiratory Signs & Symptoms	Dyspnea, cough, stridor, hemoptysis	Dyspnea, hemoptysis	Dyspnea, cough, wheezing, hemoptysis	Dyspnea, hemoptysis	Rarely hemoptysis
Other Signs & Symptoms	Fever, weight loss, arthralgia & myalgia, purpura, peripheral neuropathy, scleritis & conjunctivitis	Fever, weight loss, arthralgia & myalgia, purpura, peripheral neuropathy, abdominal pain	Fever, weight loss, arthralgia, purpura peripheral neuropathy, malaise	Edema, hypertension	Oral and genital (mucocutaneous) lesions, uveitis

For info on the Vasculitis Foundation, scan this code, or visit www.VasculitisFoundation.org.

*DAH-diffuse alveolar hemorrhage ILD-interstitial lung disease

Reviewed by Lynn Fussner, MD | April 2023